

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020625\
 Data File : VY021114.D
 Acq On : 06 Feb 2025 16:21
 Operator : SY/MD
 Sample : Q1287-03
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 07 02:34:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

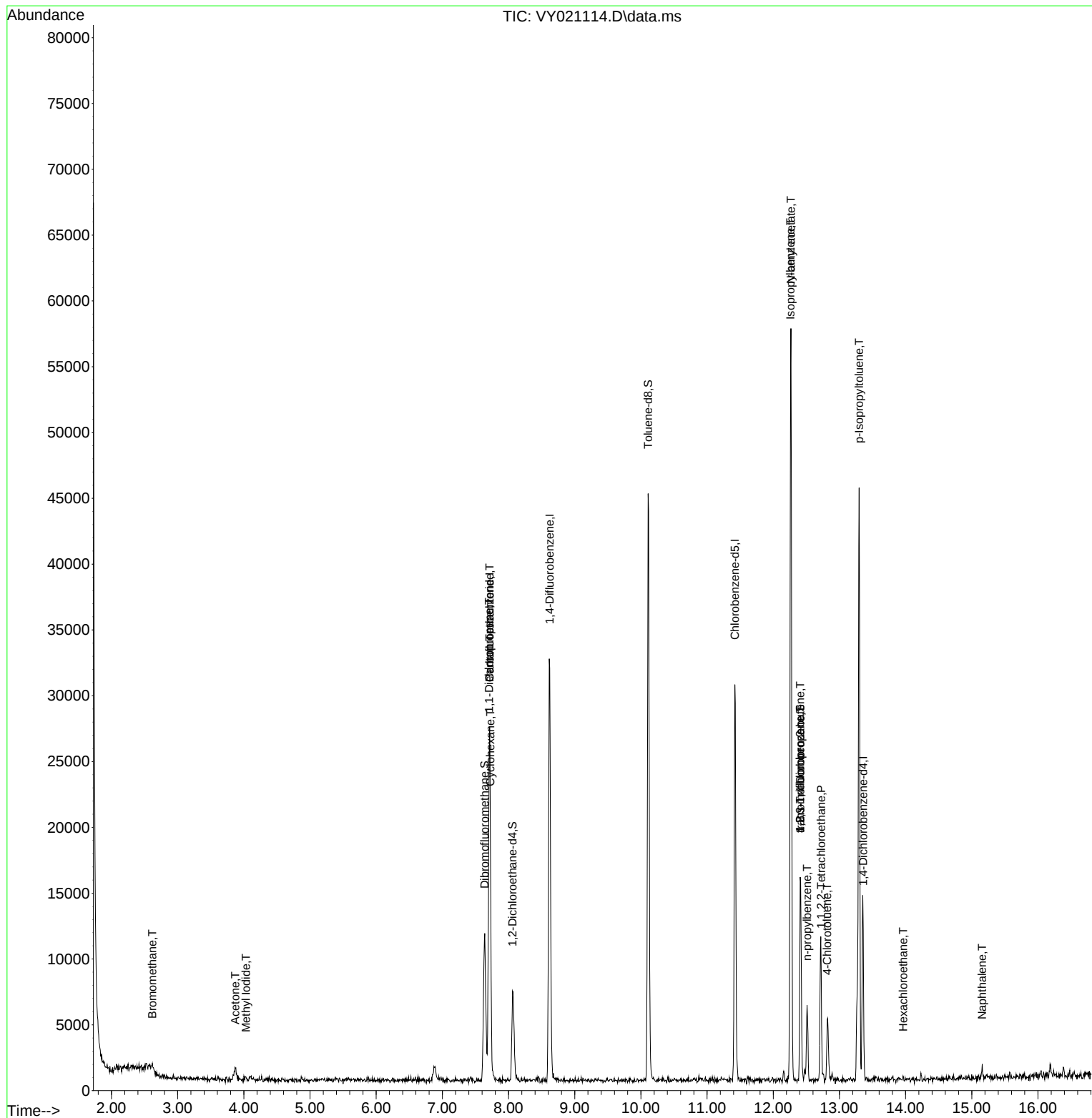
Internal Standards						
1) Pentafluorobenzene	7.713	168	21521	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	27772	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	16662	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	3550	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	6131	27.805	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	55.600%		
35) Dibromofluoromethane	7.640	113	8314	46.713	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.420%		
50) Toluene-d8	10.109	98	29456	43.472	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	86.940%		
62) 4-Bromofluorobenzene	12.407	95	4835	21.842	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	43.680%		
Target Compounds						Qvalue
5) Bromomethane	2.617	94	183	1.554	ug/l #	75
10) Methyl Iodide	4.031	142	328	1.355	ug/l #	73
16) Acetone	3.872	43	1662	48.333	ug/l #	86
31) Cyclohexane	7.725	56	394	1.048	ug/l #	62
36) 1,1-Dichloropropene	7.707	75	1565	5.937	ug/l #	43
38) Carbon Tetrachloride	7.713	117	2304	7.480	ug/l #	16
73) Isopropylbenzene	12.261	105	2701	9.740	ug/l #	65
74) N-amyl acetate	12.267	43	1099	18.127	ug/l #	12
75) 1,1,2,2-Tetrachloroethane	12.725	83	166	3.599	ug/l #	25
76) 1,2,3-Trichloropropane	12.407	75	2863	88.905	ug/l #	100
78) n-propylbenzene	12.511	91	757	2.292	ug/l #	54
81) trans-1,4-Dichloro-2-b...	12.407	75	2863	181.409	ug/l #	12
82) 4-Chlorotoluene	12.816	91	664	3.445	ug/l #	41
86) p-Isopropyltoluene	13.298	119	23114	94.589	ug/l	95
90) Hexachloroethane	13.962	117	139	2.727	ug/l #	17
95) Naphthalene	15.157	128	637	6.670	ug/l #	83

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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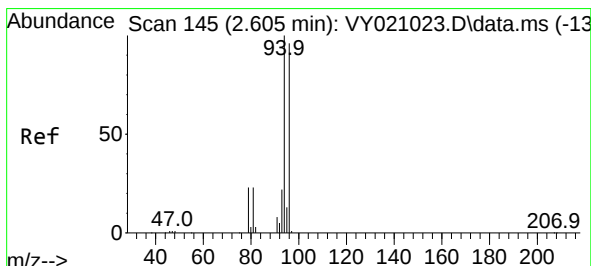
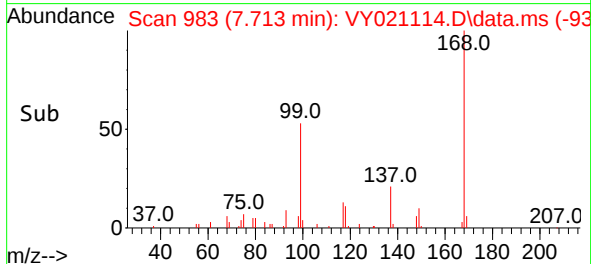
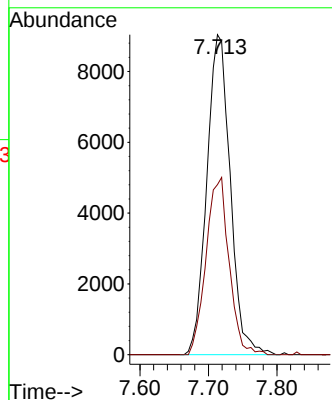
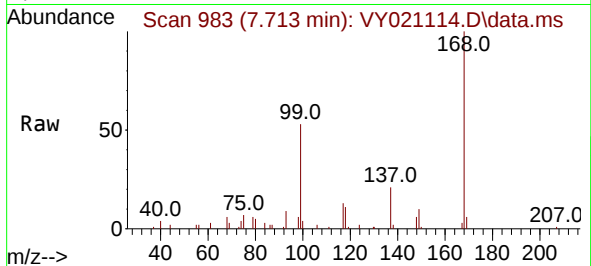




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021114.D
Acq: 06 Feb 2025 16:21

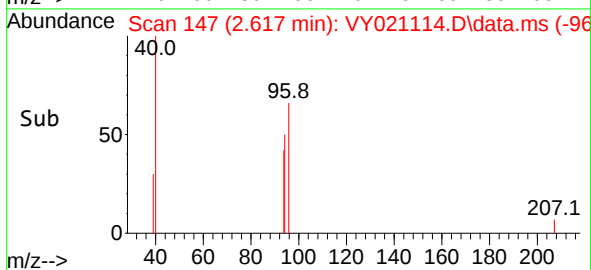
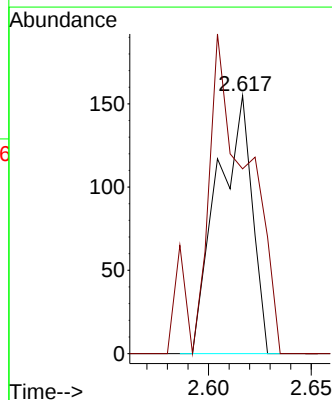
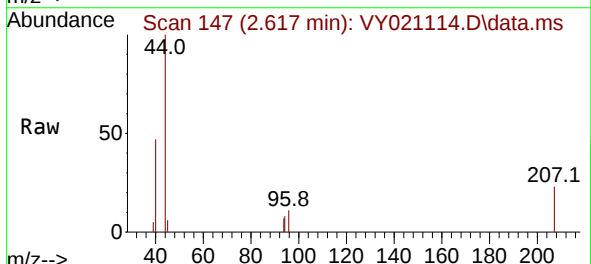
Instrument :
MSVOA_Y
ClientSampleId :

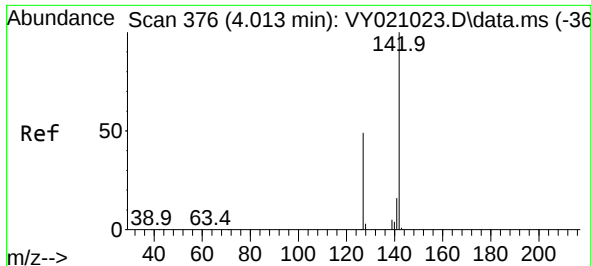
Tgt Ion:168 Resp: 21521
Ion Ratio Lower Upper
168 100
99 53.1 44.2 66.4



#5
Bromomethane
Concen: 1.554 ug/l
RT: 2.617 min Scan# 147
Delta R.T. 0.012 min
Lab File: VY021114.D
Acq: 06 Feb 2025 16:21

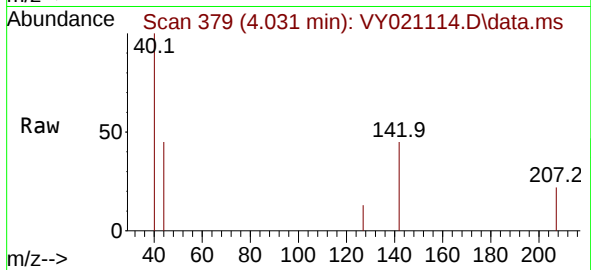
Tgt Ion: 94 Resp: 183
Ion Ratio Lower Upper
94 100
96 71.6 77.3 115.9#



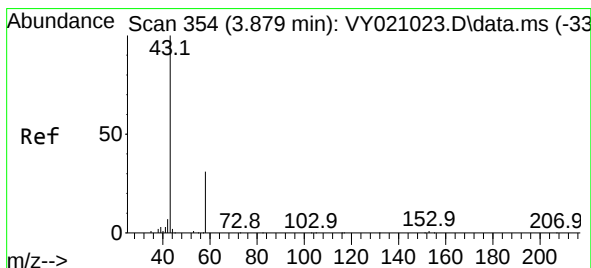
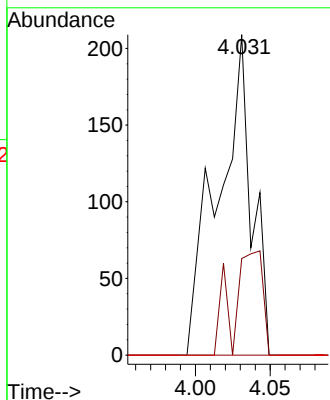
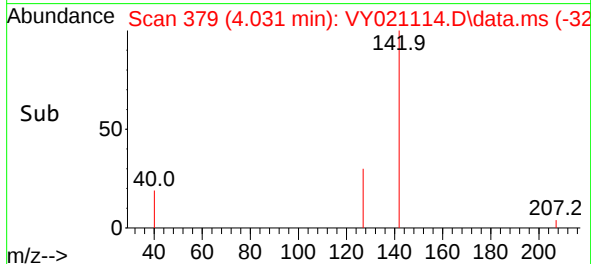


#10
Methyl Iodide
Concen: 1.355 ug/l
RT: 4.031 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY021114.D
Acq: 06 Feb 2025 16:21

Instrument :
MSVOA_Y
ClientSampleId :

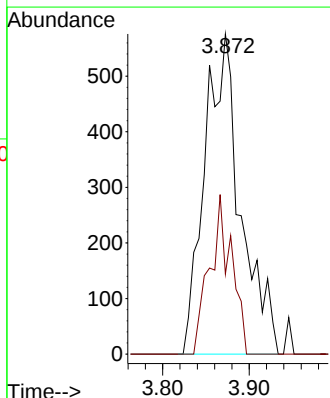
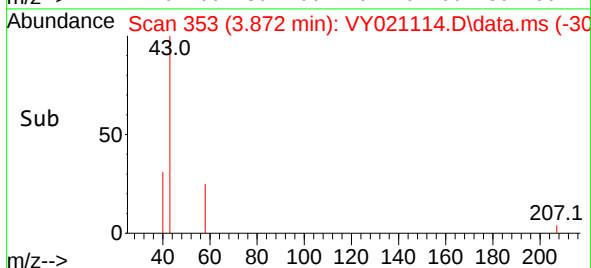
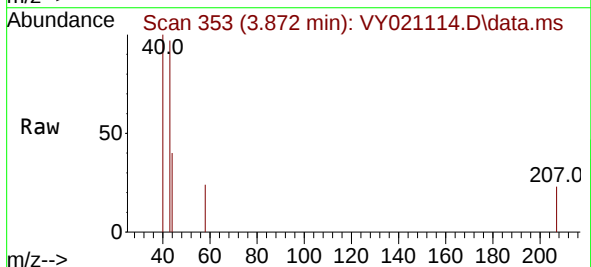


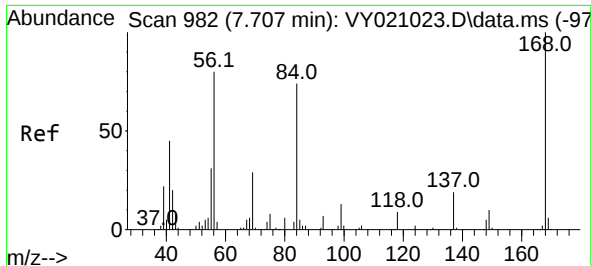
Tgt Ion:142 Resp: 328
Ion Ratio Lower Upper
142 100
127 28.7 35.1 52.7#
141 0.0 11.8 17.6#



#16
Acetone
Concen: 48.333 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY021114.D
Acq: 06 Feb 2025 16:21

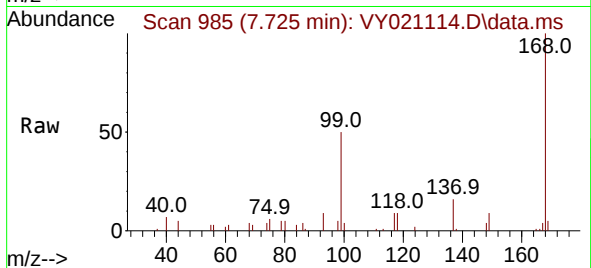
Tgt Ion: 43 Resp: 1662
Ion Ratio Lower Upper
43 100
58 25.0 26.6 39.8#



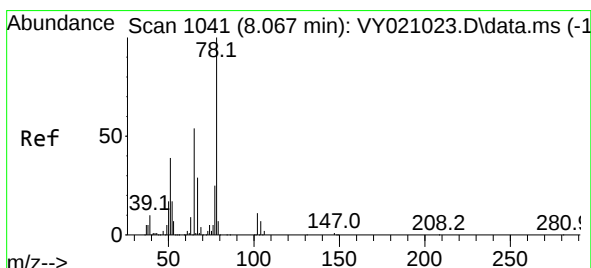
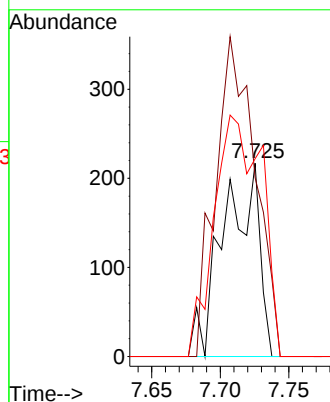
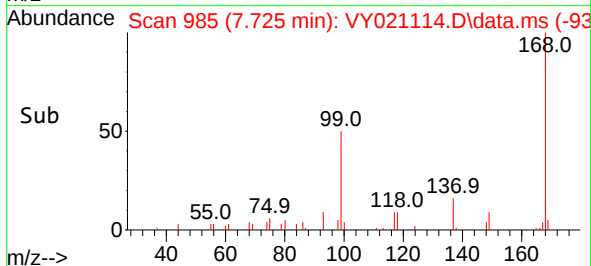


#31
Cyclohexane
Concen: 1.048 ug/l
RT: 7.725 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY021114.D
Acq: 06 Feb 2025 16:21

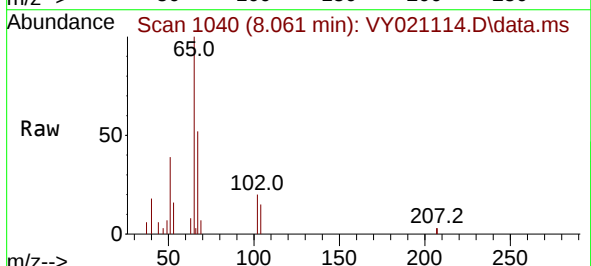
Instrument :
MSVOA_Y
ClientSampleId :



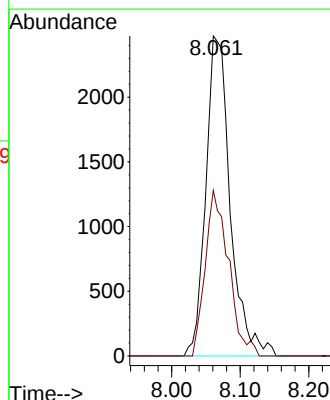
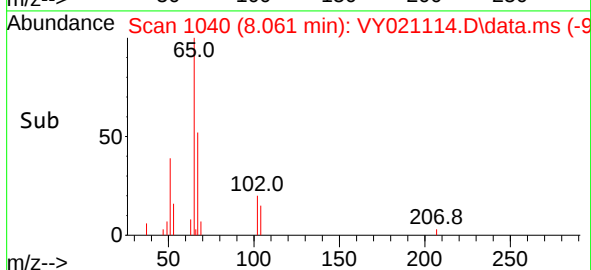
Tgt Ion: 56 Resp: 394
Ion Ratio Lower Upper
56 100
69 92.6 27.0 40.6#
84 102.3 71.8 107.6

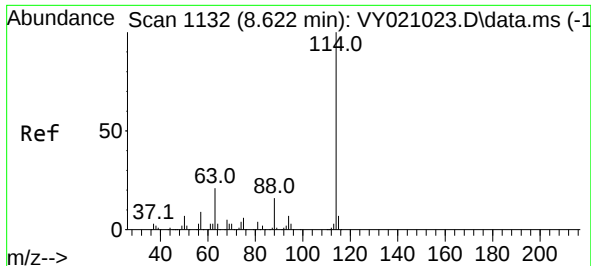


#33
1,2-Dichloroethane-d4
Concen: 27.805 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021114.D
Acq: 06 Feb 2025 16:21



Tgt Ion: 65 Resp: 6131
Ion Ratio Lower Upper
65 100
67 49.5 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY021114.D

Acq: 06 Feb 2025 16:21

Instrument :

MSVOA_Y

ClientSampleId :

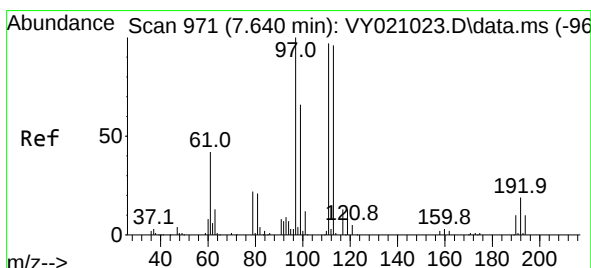
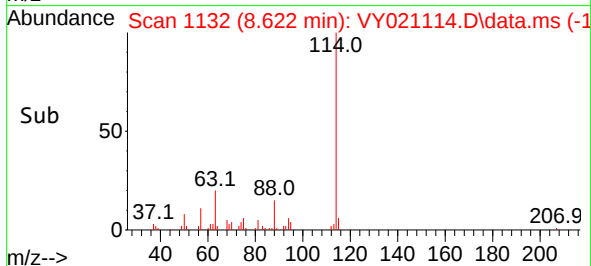
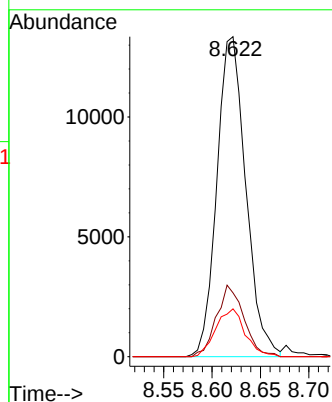
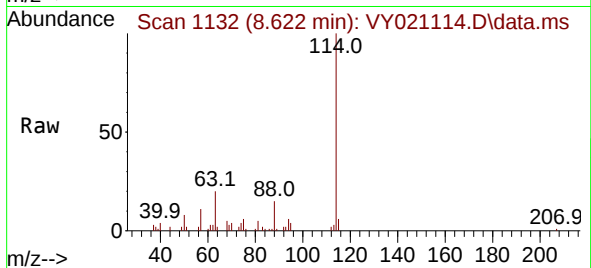
Tgt Ion:114 Resp: 27772

Ion Ratio Lower Upper

114 100

63 20.0 0.0 37.4

88 15.0 0.0 29.0



#35

Dibromofluoromethane

Concen: 46.713 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY021114.D

Acq: 06 Feb 2025 16:21

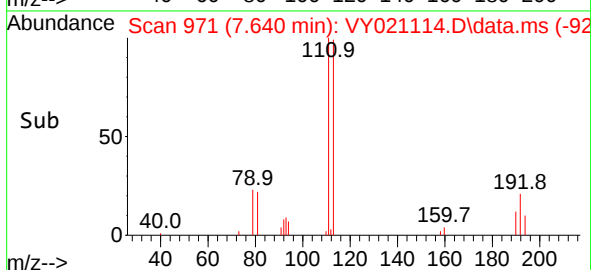
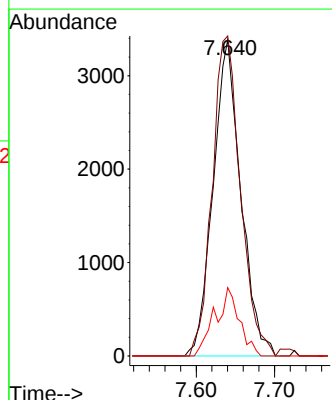
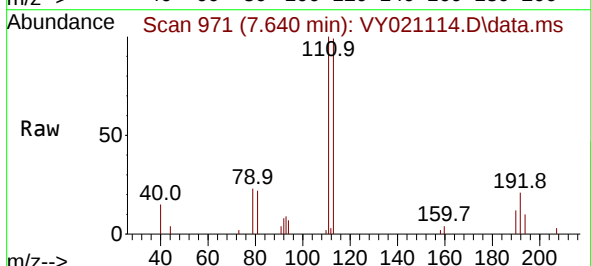
Tgt Ion:113 Resp: 8314

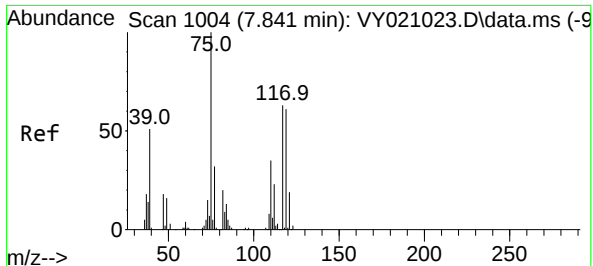
Ion Ratio Lower Upper

113 100

111 102.9 83.8 125.6

192 19.0 14.5 21.7





#36

1,1-Dichloropropene

Concen: 5.937 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

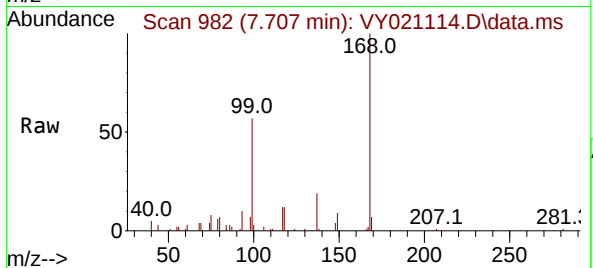
Lab File: VY021114.D

Acq: 06 Feb 2025 16:21

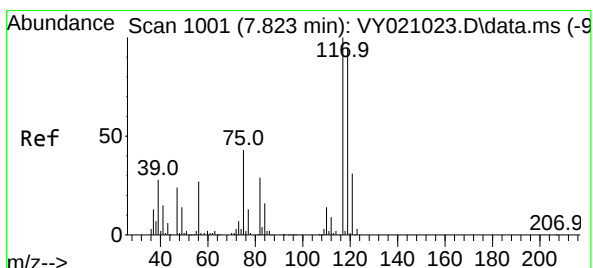
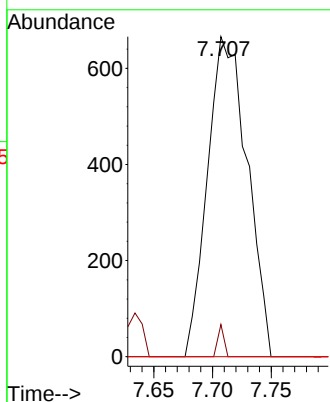
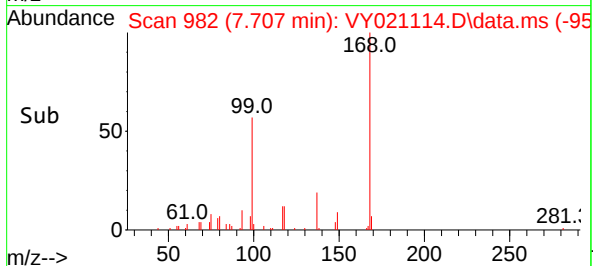
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 1565
Ion Ratio	Lower Upper
75	100
110	1.6 17.4 52.3#
77	0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 7.480 ug/l

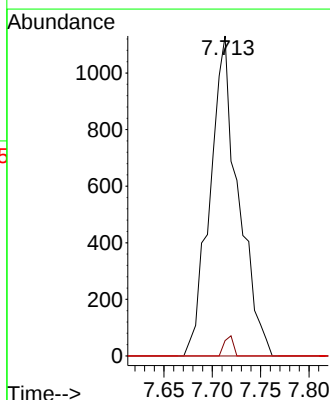
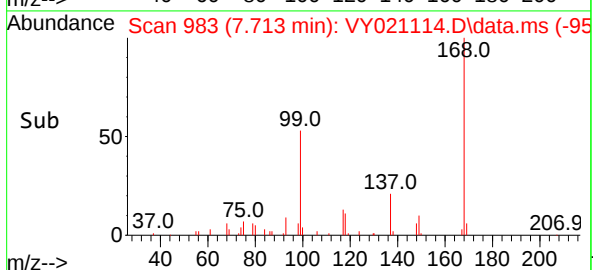
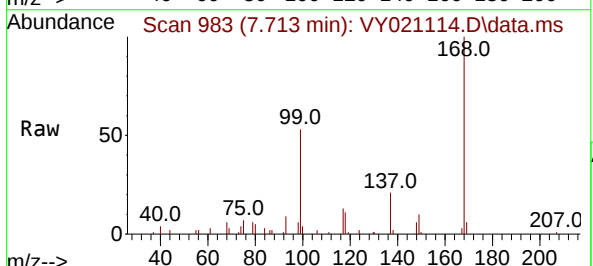
RT: 7.713 min Scan# 983

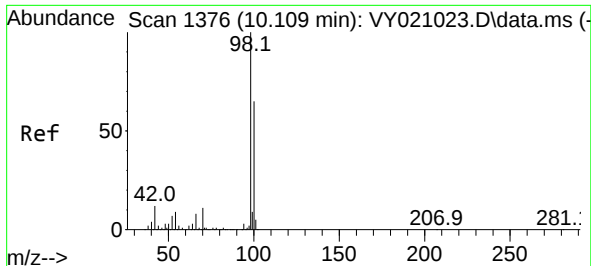
Delta R.T. -0.110 min

Lab File: VY021114.D

Acq: 06 Feb 2025 16:21

Tgt Ion: 117	Resp: 2304
Ion Ratio	Lower Upper
117	100
119	4.8 76.0 114.0#
121	0.0 24.2 36.2#

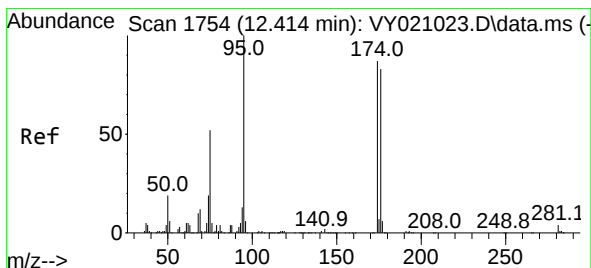
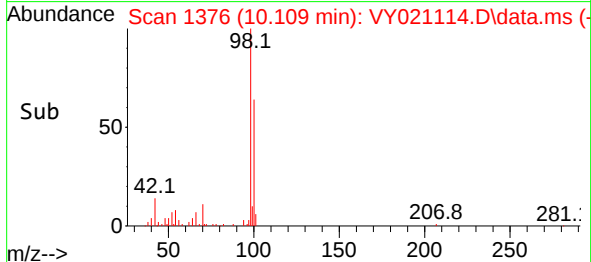
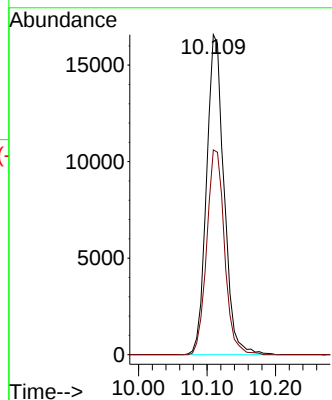
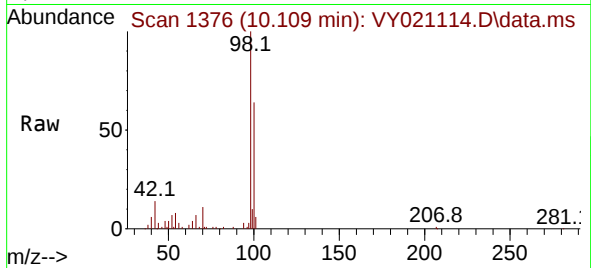




#50
Toluene-d8
Concen: 43.472 ug/l
RT: 10.109 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021114.D
Acq: 06 Feb 2025 16:21

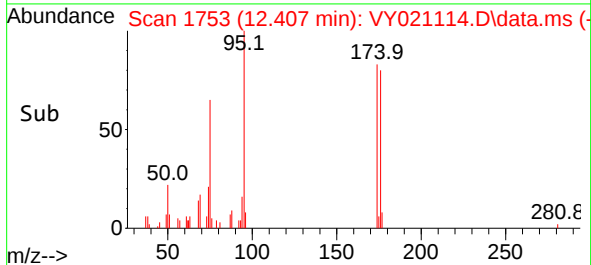
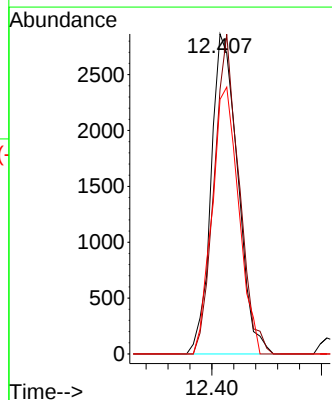
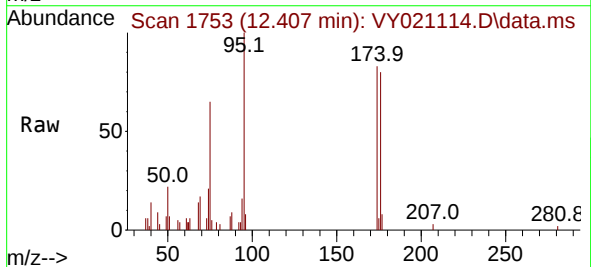
Instrument :
MSVOA_Y
ClientSampleId :

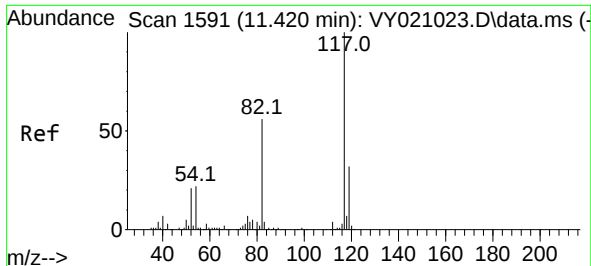
Tgt Ion: 98 Resp: 29456
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 21.842 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021114.D
Acq: 06 Feb 2025 16:21

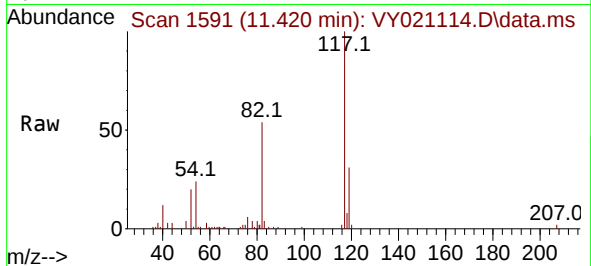
Tgt Ion: 95 Resp: 4835
Ion Ratio Lower Upper
95 100
174 92.8 0.0 160.0
176 83.2 0.0 151.8



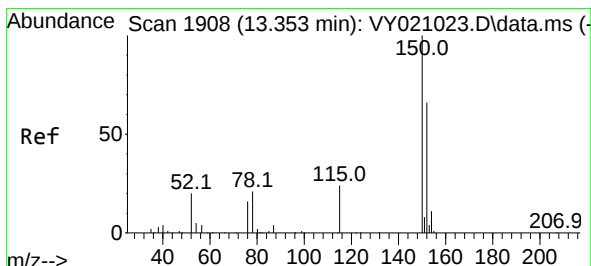
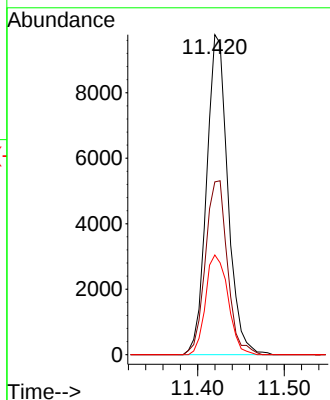
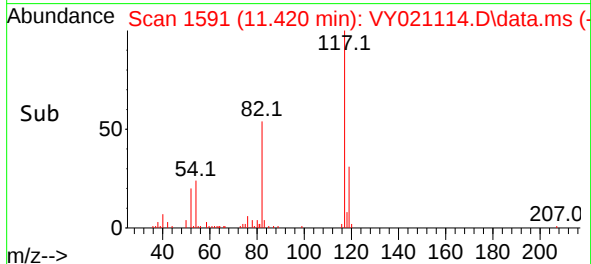


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021114.D
Acq: 06 Feb 2025 16:21

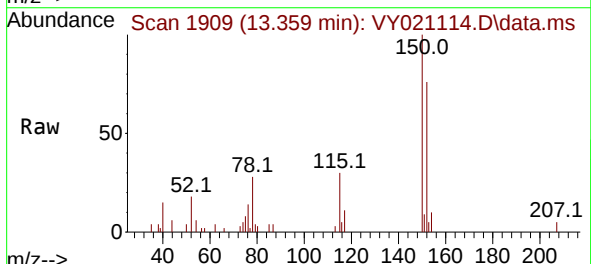
Instrument :
MSVOA_Y
ClientSampleId :



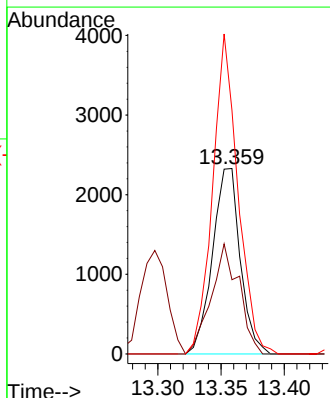
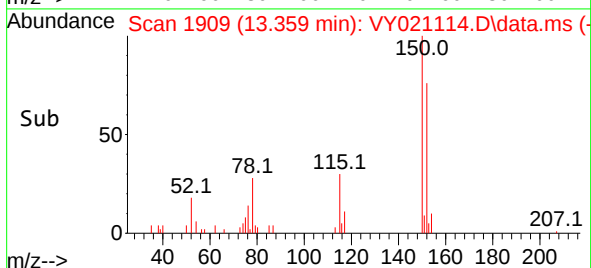
Tgt Ion:117 Resp: 16662
Ion Ratio Lower Upper
117 100
82 54.0 43.8 65.8
119 31.1 26.5 39.7

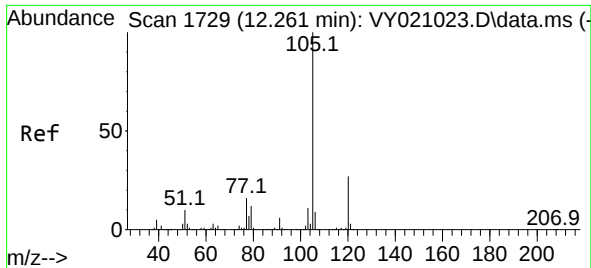


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY021114.D
Acq: 06 Feb 2025 16:21



Tgt Ion:152 Resp: 3550
Ion Ratio Lower Upper
152 100
115 59.5 30.0 90.0
150 156.8 0.0 344.6

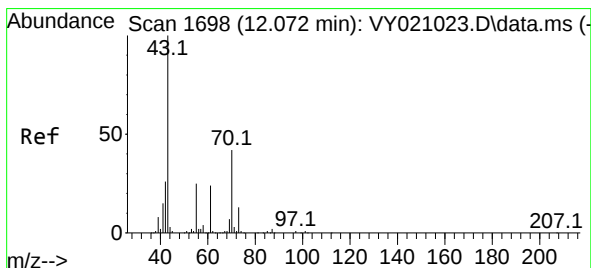
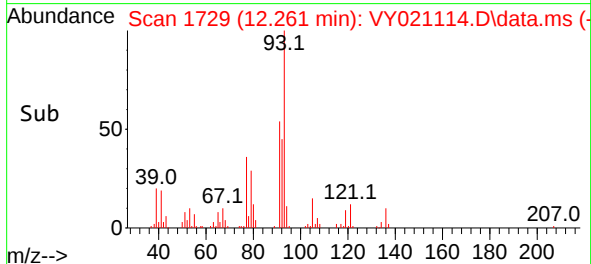
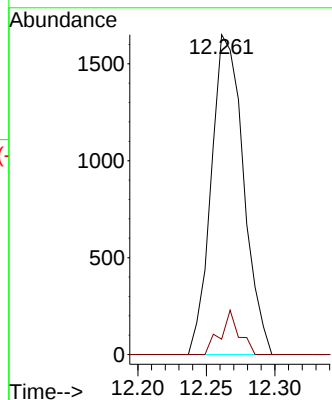
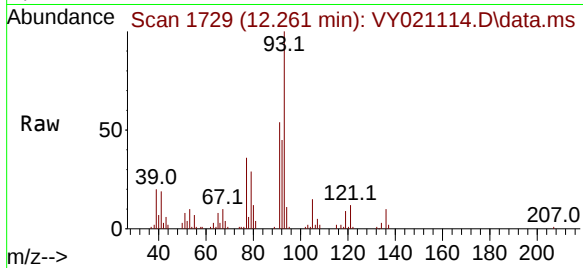




#73
Isopropylbenzene
Concen: 9.740 ug/l
RT: 12.261 min Scan# 1729
Delta R.T. -0.000 min
Lab File: VY021114.D
Acq: 06 Feb 2025 16:21

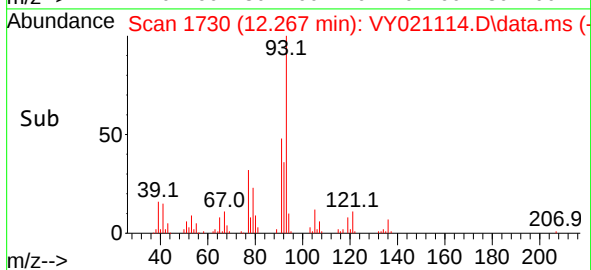
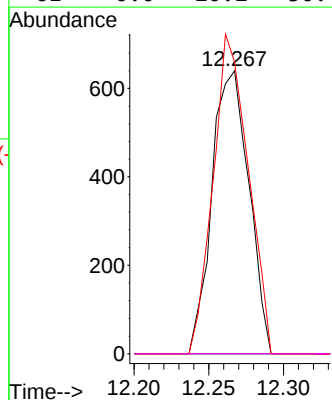
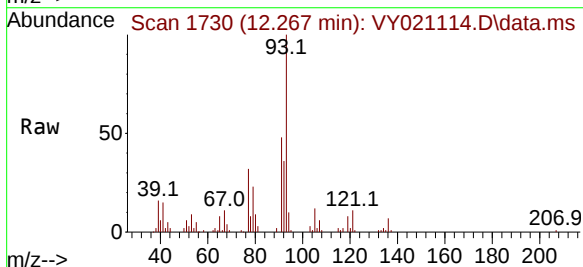
Instrument :
MSVOA_Y
ClientSampleId :

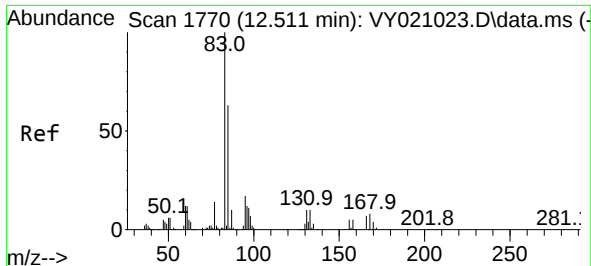
Tgt Ion:105 Resp: 2701
Ion Ratio Lower Upper
105 100
120 8.0 13.0 39.0#



#74
N-ethyl acetate
Concen: 18.127 ug/l
RT: 12.267 min Scan# 1730
Delta R.T. 0.195 min
Lab File: VY021114.D
Acq: 06 Feb 2025 16:21

Tgt Ion: 43 Resp: 1099
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 107.2 22.2 33.4#
61 0.0 20.2 30.4#

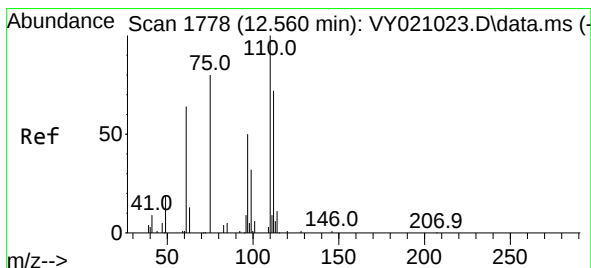
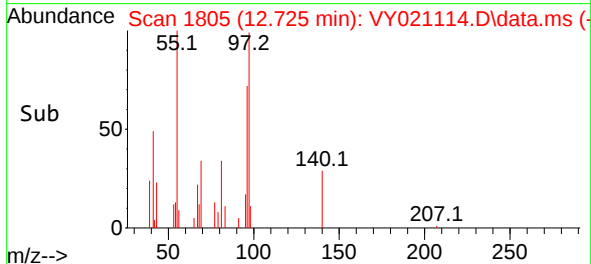
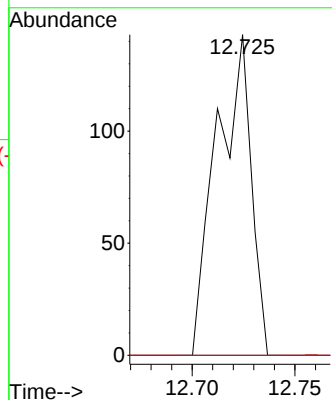
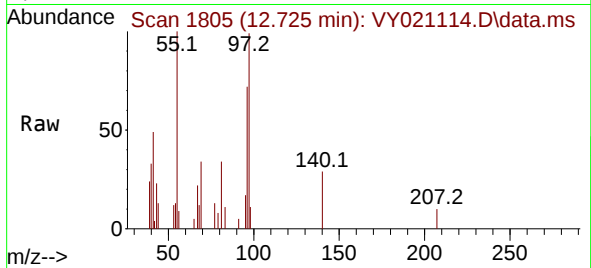




#75
 1,1,2,2-Tetrachloroethane
 Concen: 3.599 ug/l
 RT: 12.725 min Scan# 1753
 Delta R.T. 0.213 min
 Lab File: VY021114.D
 Acq: 06 Feb 2025 16:21

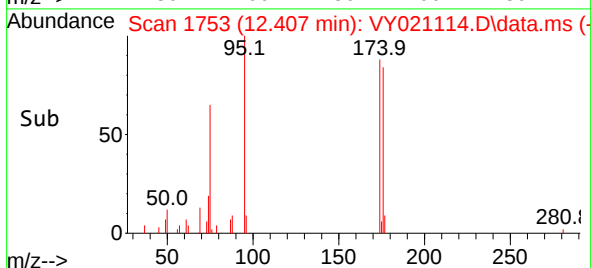
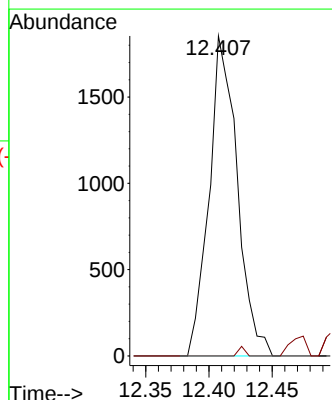
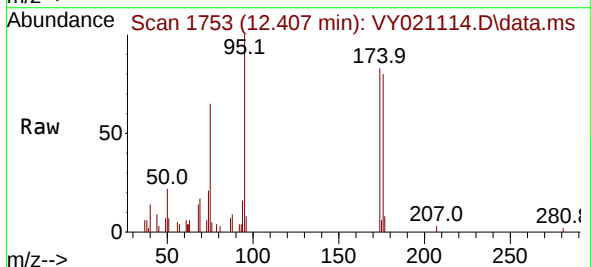
Instrument :
 MSVOA_Y
 ClientSampleId :

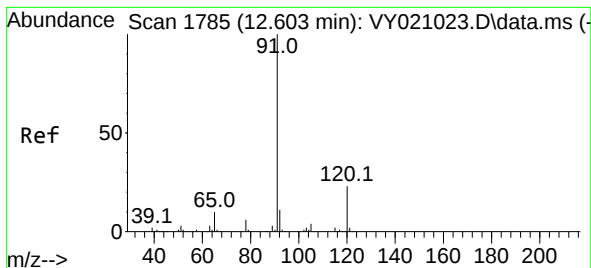
Tgt Ion: 83 Resp: 166
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.9 14.6#
 85 0.0 32.6 98.0#



#76
 1,2,3-Trichloropropane
 Concen: 88.905 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. -0.153 min
 Lab File: VY021114.D
 Acq: 06 Feb 2025 16:21

Tgt Ion: 75 Resp: 2863
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#78

n-propylbenzene

Concen: 2.292 ug/l

RT: 12.511 min Scan# 1770

Delta R.T. -0.092 min

Lab File: VY021114.D

Acq: 06 Feb 2025 16:21

Instrument :

MSVOA_Y

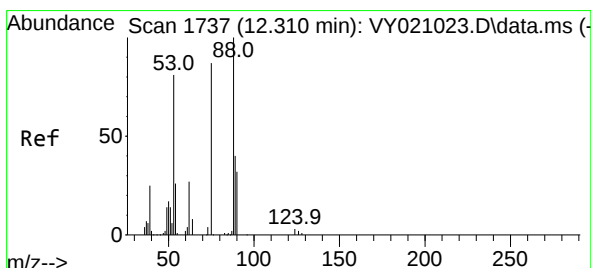
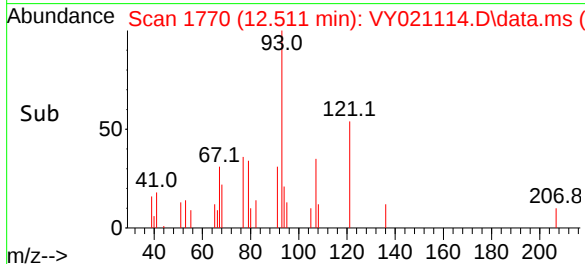
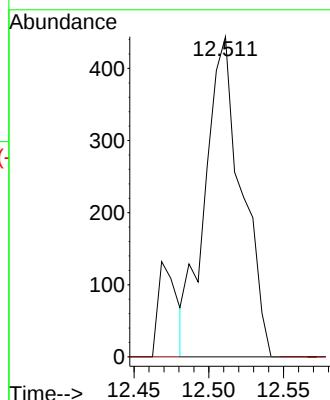
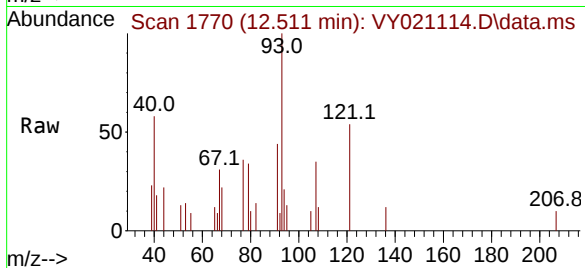
ClientSampleId :

Tgt Ion: 91 Resp: 757

Ion Ratio Lower Upper

91 100

120 0.0 11.0 33.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 181.409 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. 0.097 min

Lab File: VY021114.D

Acq: 06 Feb 2025 16:21

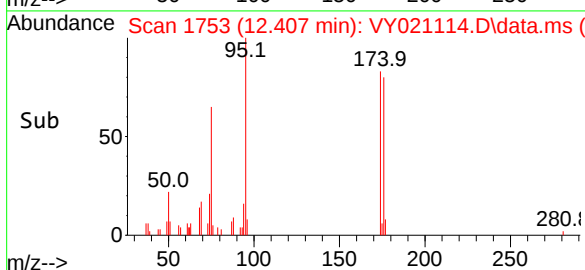
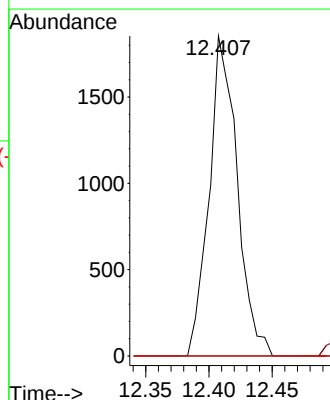
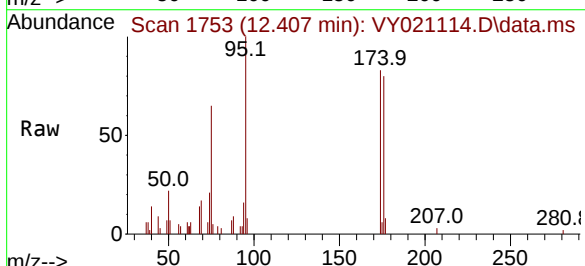
Tgt Ion: 75 Resp: 2863

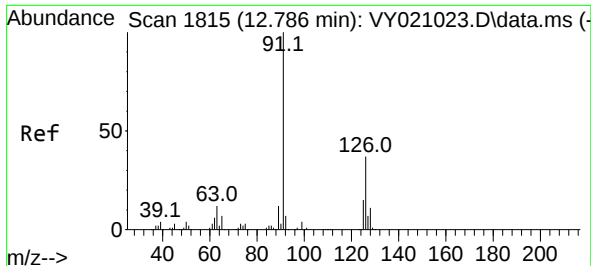
Ion Ratio Lower Upper

75 100

53 0.0 74.0 111.0#

89 0.0 36.5 54.7#

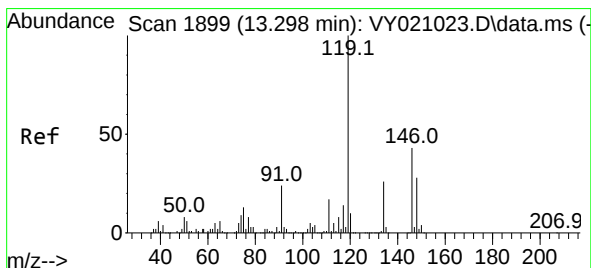
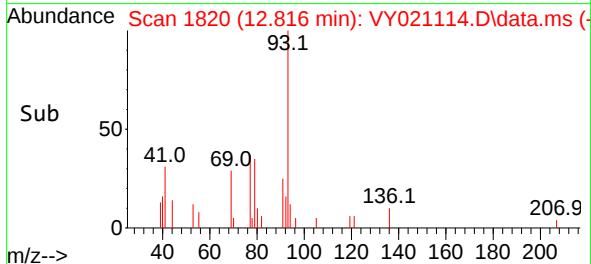
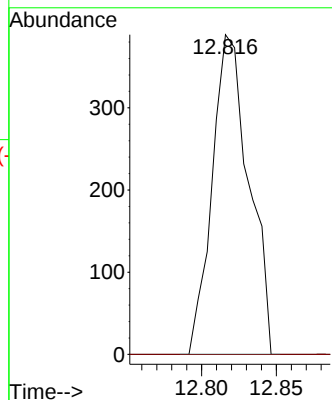
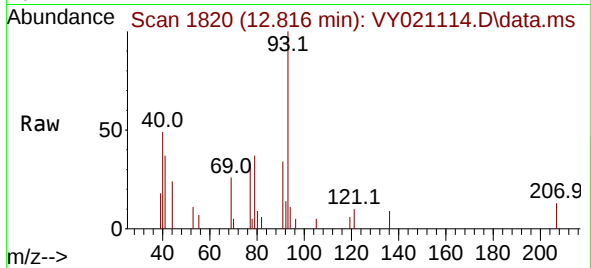




#82
4-Chlorotoluene
Concen: 3.445 ug/l
RT: 12.816 min Scan# 1815
Delta R.T. 0.030 min
Lab File: VY021114.D
Acq: 06 Feb 2025 16:21

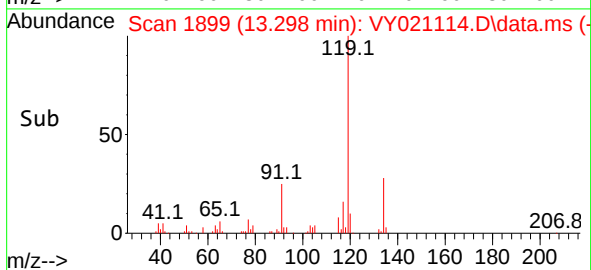
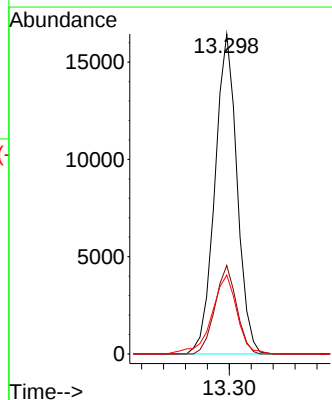
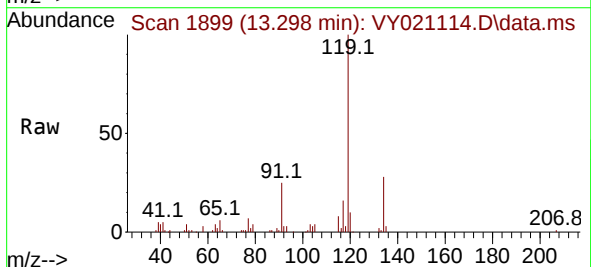
Instrument :
MSVOA_Y
ClientSampleId :

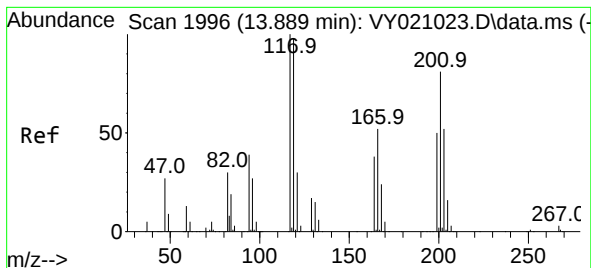
Tgt Ion: 91 Resp: 664
Ion Ratio Lower Upper
91 100
126 0.0 17.1 51.2#



#86
p-Isopropyltoluene
Concen: 94.589 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY021114.D
Acq: 06 Feb 2025 16:21

Tgt Ion: 119 Resp: 23114
Ion Ratio Lower Upper
119 100
134 26.9 13.1 39.1
91 28.0 11.7 35.0





#90

Hexachloroethane

Concen: 2.727 ug/l

RT: 13.962 min Scan# 20

Delta R.T. 0.073 min

Lab File: VY021114.D

Acq: 06 Feb 2025 16:21

Instrument :

MSVOA_Y

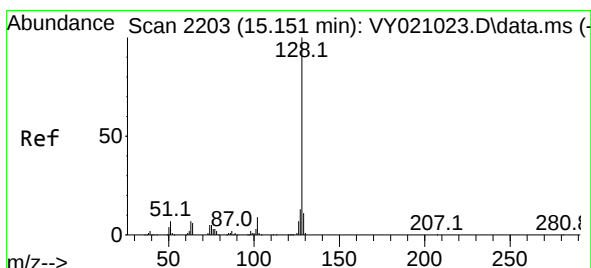
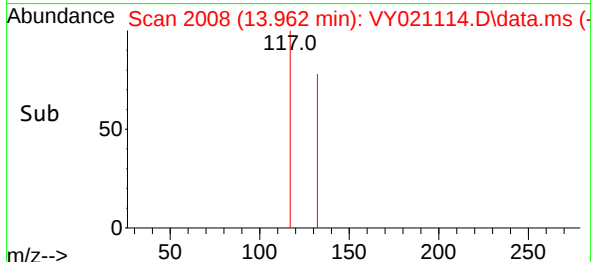
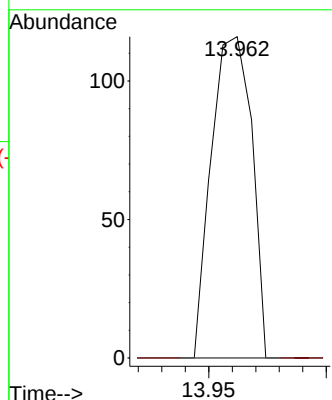
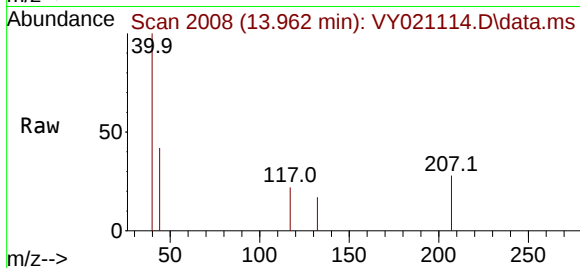
ClientSampleId :

Tgt Ion:117 Resp: 139

Ion Ratio Lower Upper

117 100

201 0.0 33.4 100.1#



#95

Naphthalene

Concen: 6.670 ug/l

RT: 15.157 min Scan# 2204

Delta R.T. 0.006 min

Lab File: VY021114.D

Acq: 06 Feb 2025 16:21

Tgt Ion:128 Resp: 637

Ion Ratio Lower Upper

128 100

127 18.4 10.2 15.4#

129 3.0 8.6 12.8#

